National Agricultural Statistics Service
Michigan Statistical Office
Michigan Department of Agriculture

Michigan Crop-Weather

MI-CW2405 David D. Kleweno, Director June 6, 2005

Warm Weather Returns

Six days were suitable for fieldwork during the week ending June 5, according to the USDA-NASS-Michigan Statistical Office. Precipitation amounts ranged from 0.03 in the west central Lower Peninsula to 0.95 inches in the east central Lower Peninsula. Average temperatures ranged from 4 degrees above normal in the southwest, south central, and southeast Lower Peninsula to 6 degrees above normal in the eastern Upper Peninsula and northwest, west central, and central Lower Peninsula. Crop emergence and condition improved with the warmer temperature, but soil moisture was a concern. A farmer in the northeast Lower Peninsula mentioned, "Good growing week where crops had moisture. Corn grew significantly and soybeans were emerging in about a week, but some areas were dry and need rain to germinate." In the southeast, a farmer echoed this concern with, "All crops made a lot of progress with our first stretch of warm, muggy weather of the season, but we need some rain to keep things going."

Field Crops

Warmer weather returned to the State. Precipitation was light and scattered, with severe weather later in the week. **Corn** growth continued to progress with the warmer temperatures. There were still reports of corn being purple in color due to a cool early spring. Color was improving and most yellow disappeared. **Soybean** planting neared completion. There have been several reports of replanting due to poor field conditions. **Sugarbeet** growth accelerated in the warmer weather. The first cutting of **alfalfa** continued in southern areas of the State. In northen regions, fields were starting to bloom. There were few reports of potato leafhopper and alfalfa weevil. **Winter wheat** continued to progress. Fields varied between heading and flowering. **Oats** and **barley** looked good.

Fruit

Insect activity in fruit crops increased across the State as a result of last week's warmer temperatures. In the southwest, **apples** reached 14 to 18 mm in size. There has been little response to the thinners applied to apples, due to cool temperatures at application. In the southeast, apples were 11 to 13 mm in size. Along the Ridge, apples were 10 to 12 mm in size. Chemical thinning began in the region. In the northwest, growers were preparing to thin apples, as fruit approached 5 to 7 mm in size. A light crop of **tart cherries** was developing in the southeast. **Sweet cherries**, which had a heavier set, were at pit hardening. In the southwest, cherries were changing color. In the west central, tart cherries were out of shuck, and sweet cherries were sizing well. In the northwest, tart cherry set was light, while sweet cherries displayed a heavy set. **Peaches** have dropped in the southwest. The crop appeared thin. In the southeast, peaches were at shuck split and continued to size well. Peaches were out of shuck in the west central. **Blueberry** bloom ended in the southwest, where the crop looked excellent. Blueberry bloom continued in the southeast, where an excellent crop was also developing. Along the Ridge, blueberries were blooming.

Vegetables

Vegetable crops progressed well with the warmer weather and light precipitation. Severe weather late in the week produced hail, strong winds, and blowing soil which caused some damage. **Asparagus** harvesting continued. Yields were light and behind normal. **Cabbage** progressed nicely. Many fields appeared to be on time for harvest in several weeks. **Potatoes** continued to emerge and some fields were being hilled. **Peas** continued to flower**. Carrot** stands looked good and cover crops were being sprayed off**. Sweet corn** color continued to improve and late planted fields began to catch up. Many **squash**, **zucchini**, and **cucumbers** are at or near flower and some tunnels were removed Some cucumbers were at three to four leaves. **Tomato** transplanting continued and growth was good. **Pepper** transplanting also continued. **Pumpkins** were being seeded.

Soil moisture for week ending 06/05/05

Stratum	Very short	Short	Adequate	Surplus
	Percent	*Percent*	*Percent*	*Percent*
Topsoil	11	44	40	5
Subsoil	8	37	54	1

Crop condition for week ending 06/05/05

Crop	Very poor	Poor	Fair	Good	Excellent
	Percent	*Percent*	*Percent*	*Percent*	*Percent*
All Hay	2	12	32	44	10
Barley	0	2	26	69	3
Corn	1	2	41	47	9
Oats	1	4	19	61	15
Pasture	2	11	41	36	10
Soybeans	1	5	38	49	7
Winter Wheat	1	7	29	56	7

Crop progress for week ending 06/05/05

Crop	This week	Last week	Last year	5-year average
	Percent	*Percent*	*Percent*	*Percent*
All hay, first cutting	41	16	17	18
Asparagus, harvested	79	48	68	77
Corn, emerged	93	64	67	72
Dry beans, planted	25	13	1	NA
Dry beans, emerged	3	NA	NA	NA
Oats, headed	24	NA	13	NA
Potatoes, planted	95	86	87	93
Potatoes, emerged	67	32	61	NA
Soybeans, planted	97	89	58	69
Soybeans, emerged	71	39	38	44
Strawberries, harvested	5	NA	NA	NA
Winter wheat, headed	54	14	62	57

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Michigan Weather Summary for Week Ending 06/05/05 [1]

Station	Temperature			Cumulative growing degree days [2]			Precipitation					
	Maximum	Minimum	Departure from normal	2005	2004	Normal	This week	Last two weeks	Last four weeks	Since April 1	Normal	
											Since April 1	For month
Ironwood	81	37		449	293		0.20	0.54	1.68	2.80		
Marquette	84	40		386	254		0.88	1.78	3.24	5.76		
Stephenson	80	39		423	401		0.30	0.50	2.49	3.99		
Western UP	85	37	5	404	289	353	0.58	0.96	2.50	4.08	6.07	3.61
Cornell	80	41		370	291		0.12	1.03	2.51	4.01		
Sault St Marie	80	40		345	181		0.43	0.53	1.56	3.29		
Eastern UP	82	33	6	356	228	250	0.23	0.64	2.01	3.75	5.87	3.26
Beulah	86	41		512	389		0.08	0.16	1.88	3.21		
Lake City	87	39		455	399		0.01	0.33	2.44	3.64		
Old Mission	89	40		448	332		0.22	0.41	1.89	3.14		
Pellston	87	34		444	348		0.23	0.54	1.59	3.01		
Northwest	89	34	6	446	346	418	0.12	0.34	1.77	3.03	5.69	3.03
Alpena	91	39		383	333		0.21	0.37	0.78	2.80		
Houghton Lake	88	37		463	423		0.05	0.18	1.72	2.49		
Rogers City	87	40		440	311		0.28	0.58	1.58	3.11		
Northeast	91	33	5	446	377	392	0.17	0.45	1.52	3.00	5.67	2.90
Fremont	87	42		561	534		0.04	0.23	1.38	1.85		
Hart	85	40		517	464		0.04	0.15	2.04	2.75		
Muskegon	86	44		531	520		0.01	0.10	2.19	2.67		
West Central	99	38	6	528	489	477	0.03	0.14	1.79	2.27	6.34	2.94
Alma	90	42		536	567		0.15	0.17	1.45	2.13		
Big Rapids	90	42		531	523		0.00	0.00	0.92	0.92		
Central	90	40	6	533	545	517	0.15	0.16	1.37	1.89	6.39	3.36
Bad Axe	92	42		470	456		0.99	1.20	2.44	4.43		
Pigeon	92	42		452	440		0.33	0.92	1.62	2.64		
Saginaw	92	48		478	531		0.90	1.18	2.75	4.40		
Standish	92	43		466	465		0.90	1.53	2.86	4.36		
East Central	94	41	5	452	483	496	0.95	1.48	2.76	4.30	5.66	3.08
Fennville	88	42		572	564		0.26	0.31	1.50	2.20		
Grand Rapids	90	46		579	677		0.92	1.00	2.75	3.75		
Holland	88	45		580	595		0.11	0.21	0.46	1.36		
South Bend, IN	93	44		663	741		0.95	0.95	1.83	2.86		
Watervliet	91	46		613	635		0.46	0.66	1.97	2.86		
Southwest	93	41	4	605	649	556	0.49	0.70	1.78	2.70	6.91	3.55
Belding	88	44		540	611		1.08	1.38	3.14	4.44		
Coldwater	92	46		559	616		0.38	0.53	1.84	2.65		
Lansing	92	50		574	630		0.45	0.89	2.05	3.23		
South Central	93	44	4	569	655	557	0.43	0.56	1.78	2.60	6.65	3.57
Detroit	90	54		585	681		0.04	0.55	1.83	3.64		
Flint	91	44		541	669		0.16	0.31	1.49	2.86		
Romeo	92	47		517	602		0.25	0.73	2.15	4.40		
Tipton	92	49		594	636		0.11	0.72	2.61	4.04		
Toledo, OH	94	48		605	756		0.09	0.44	1.76	4.19		
Southeast	95	42	4	562	666	530	0.21	0.64	2.01	4.14	6.59	3.36

[1] Issued by the Federal/State Michigan Agricultural Statistics Service in cooperation with the U.S. Department of Commerce, Michigan State University's Cooperative Extension Service, Agricultural Meteorologist, Department of Geography, and Crop Advisory Team ALERTS.

[2] Growing degree days (GDD) is the sum of daily mean temperatures minus 50 per day, 86 maximum and 50 minimum. The GDD is accumulative from April 1.

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